Green Cat Renewables Job Advertisement – Electrical Design Engineer

Location: Edinburgh (Stobo House, Midlothian Innovation Centre, Roslin)

The Company
Green Cat Renewables (GCR) is a dynamic, innovative company that provides the complete range of technical services required to deliver renewable energy projects. The team of over 55 Engineers and Environmental Consultants deliver projects on behalf of Clients from three offices in Edinburgh, Livingston and Biggar.

The company provides Engineering Consultancy and Project Management services to renewable and conventional energy projects. This includes: civil and electrical design, procurement, contract management, site supervision, civil, mechanical and electrical inspections, and construction services.

Green Cat Renewables requires an Electrical Design Engineer to join the Engineering team in Edinburgh:

The Role
• Undertaking project electrical engineering/design from concept to completion.
• Active problem solving with network operators to mitigate and minimise grid connection constraints.
• Providing electrical input into Balance of Plant and Turbine Supply Agreement Employers’ Requirements.
• Preparation and review of electrical scopes of work and specifications for tendering.
• Review of electrical designs by contractors and EPCs.
• Providing electrical assistance to Project Managers in relation to onsite works and construction programme.
• Electrical technical assistance across GCR’s departments.

Essential Skills and Experience
• Minimum BEng or equivalent degree in Electrical Engineering.
• 2+ years’ experience working in the renewable and/or power generation industry, and knowledge of inverter-based generation.
• Perform sizing calculations for electrical equipment.
• Perform essential power system simulations such as power flow and short circuit, using ETAP or other simulation software.
• Prepare Single Line, interconnection wiring and schematic Diagrams for Low and Medium Voltage systems.
• Prepare cabling layouts and schedules.
• Prepare other electrical drawings and layouts such as: earthing, lighting and small power, system block diagram, signal list, panel schedule.
• Ability to evaluate suppliers’ bids and contractors’ proposal technically and commercially.
• Ability to review and interpret vendor drawings and incorporate vendor information into the electrical engineering deliverables.
• Knowledge of the UK Grid Code and G99 engineering requirements.
• Understanding of relevant standards and recommendations such as TS 41-24, P28, P29 and G5.
• Proactive, adaptable mind-set with a willingness to work independently or as part of a team.
• Excellent attention to detail and organisational skills with ability to manage conflicting deadlines.
• Valid Driving License and willingness to travel when required.

Desirable Skills and Experience
• MEng degree in Electrical Engineering.
• Chartered Electrical Engineer status.
• Advanced simulation and studies such as harmonic analysis and transient stability using ETAP or other simulation software.
• Familiarity with distribution and transmission grid connection applications and compliance process.

To apply please send a full CV and covering letter to jobs@greencatrenewables.co.uk by the 7th August 2020.